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(54) Title: GAUSS-REES PARAMETRIC ULTRAWIDEBAND SYSTEM

CARRIER BORNE ENERGY SPECTRUM



(57) Abstract: Gauss-Rees waveform utilization in identifying an object, including: directing a primary acoustic waveform at the object to produce a nonlinear acoustic effect; receiving a secondary wavelet produced by the nonlinear effect; and processing the received secondary wavelet in identifying the object. The object is identified by composition, image, and preferably both. The object can be concealed in a container, underground, under water, or otherwise.

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